

In the Specification:

Please amend the specification as shown:

Please delete the paragraph on page 3, line 26 to page 4, line 26 and replace it with the following paragraph:

One fusion protein is defined by the following amino acid sequence **(SEQ ID NO: 1)**

MNSLSEANTK FMFDLFQQFR KSKENNIFYS PISITSALGM VLLGAKDNTA QQIKKVLHFD
QVTENTTGKA ATYHVDRSGN VHHQFQKLLTE FNKSTDAYE LKIANKLFGE
KTYLFLQEYL DAIKKFYQTS VESVDFANAP EESRKKINSW VESQTNEKIK NLIPEGNIGS
NTTLVLVNAI YFKGQWEKKF NKEDTKEEFK WPNKNTYKSI QMMRQYTSFH
FASLEDVQAK VLEIPYKGD LSMIVLLPNE IDGLQKLEEK LTAEKLMWEWT SLQNMRETCV
DLHLPRFKME ESYDLKDTLR TMGMVNIFNG DADLSGMTWS HGLSVSKVLH
KAFVEVTEEG VEAAAATAVV VVELSSPSTN EEFCCNHPFL FFIRQNKTNS ILFYGRFSSP

based upon the DNA sequence **(SEQ ID NO: 2)**

ATGAATTCAC	TCAGTGAAGC	CAACACCAAG	TTCATGTTCG	ACCTGTTCCA
ACAGTTCAGA	AAATCAAAG	AGAACAACAT	CTTCTATTCC	CCTATCAGCA
TCACATCAGC	ATTAGGGATG	GTCCTCTTAG	GAGCCAAAGA	CAACACTGCA
CAACAGATTA	AGAAGGTTCT	TCACCTTGAT	CAAGTCACAG	AGAACACCAC
AGGAAAAGCT	GCAACATATC	ATGTTGATAG	GTCAGGAAAT	GTTTCATCACC
AGTTTCAAAA	GCTTCTGACT	GAATTCAACA	AATTCCACTGA	TGCATATGAG
CTGAAGATCG	CCAACAAGCT	CTTCGGAGAA	AAAACGTATC	TATTTTTACA
GGAATATTTA	GATGCCATCA	AGAAATTTTA	CCAGACCAGT	GTGGAATCTG
TTGATTTTGC	AAATGCTCCA	GAAGAAAGTC	GAAAGAAGAT	TAACCTCTGG
GTGGAAAGTC	AAACGAATGA	AAAAATTAAA	AACCTAATTC	CTGAAGGTAA
TATTGGCAGC	AATACCACAT	TGGTTCTTGT	GAAAGCAATC	TATTTCAAAG
GGCAGTGGGA	GAAGAAATTT	AATAAAGAAG	ATACTAAAGA	GGAAAAATTT
TGGCCAAACA	AGAATACATA	CAAGTCCATA	CAGATGATGA	GGCAATACAC
ATCTTTTCAT	TTTGCCTCGC	TGGAGGATGT	ACAGGCCAAG	GTCCTGGAAA
TACCATACAA	AGGCAAAGAT	CTAAGCATGA	TTGTGTTGCT	GCCAAATGAA
ATCGATGGTC	TCCAGAAGCT	TGAAGAGAAA	CTCACTGCTG	AGAAATTGAT

GGAATGGACA AGTTTGCAGA ATATGAGAGA GACATGTGTC GATTTACACT
TACCTCGGTT CAAAATGGAA GAGAGCTATG ACCTCAAGGA CACGTTGAGA
ACCATGGGAA TGGTGAATAT CTTCAATGGG GATGCAGACC TCTCAGGCAT
GACCTGGAGC CACGGTCTCT CAGTATCTAA AGTCCTACAC AAGGCCTTTG
TGGAGGTCAC TGAGGAGGGA GTGGAAGCTG CAGCTGCCAC CGCTGTAGTA
GTAGTCGAAT TATCATCTCC TTCAACTAAT GAAGAGTTCT GTTGTAATCA
CCCTTTCCTA TTCTTCATAA GGCAAAATAA GACCAACAGC ATCCTCTTCT
ATGGCAGATT CTCATCCCCA TAGATGCAAT TAGTGTGTCA CT

Please delete Table 1 on page 6 and replace it with the following paragraph:

TABLE 1. PCR-primers

<u>Primer name</u>	<u>Sequence</u>
1. SCCA 1-7F	5'-CGGGATCCATGAATTCAGTGAAGCC-3' (<u>SEQ ID NO: 3</u>)
2. SCCA 391-397B	5'-GAGCTCGAGTCTCATCAGTGACAGACTAATTGCATCTA-3' (<u>SEQ ID NO: 4</u>)
3. SCCA 266-273F	5'-TGGAATGGACAAGTTTGCAG-3' (<u>SEQ ID NO: 5</u>)
4. SCCA1 323-329B	5'-GTAGGACTCCAGATAGCAC-3' (<u>SEQ ID NO: 6</u>)
5. SCCA2 319-324F	5'-TGGAGCCACGGTCTCTCAG-3' (<u>SEQ ID NO: 7</u>)
6. SCCA2 357-363B	5'-ATTAGTTGAAGGAGATGATAATTC-3' (<u>SEQ ID NO: 8</u>)
7. SCCA1 ex7	5'-AATACATACAAGTCCA-3' (<u>SEQ ID NO: 9</u>)
8. SCCA2 ex8	5'-GGACTTTAGATACTGA-3' (<u>SEQ ID NO: 10</u>)

Please delete the paragraph on page 16, lines 4-24 and replace it with the following paragraph:

2. Alignment of the coding DNA regions, exon 2-8 of SCCA1 (SEQ ID NO: 12) and SCCA2 (SEQ ID NO: 13). Intron positions indicated -lx-. Differences between the genes are indicated in grey. Italic letters show the regions coding for reactive site loops. Arrows show primer (Table 1) positions.

3. Alignment of protein sequences of SCCA1 (SEQ ID NO: 14) and SCCA2 (SEQ ID NO: 15). Intron positions are indicated with dotted lines. Differences between the proteins are indicated in grey tone. Boxes show the reactive site loops.

4. Nucleotide coding DNA region, exon 2-8 of the rearranged SCCA1/SCCA2 (SEQ ID NO: 16). Sequences derived from SCCA1 are shown in normal style while sequences derived from SCCA2 are shown in bold. Intron positions are indicated in -lx-. Differences between the genes are indicated in grey. Italic letters show the region coding for reactive site loop.

5. Protein sequence of the SCCA1/SCCA2 fusion protein (SEQ ID NO: 17). Amino acids derived from SCCA1 are shown in normal letters. Amino acids derived from SCCA2 are shown in bold letters. Intron positions are indicated with dotted lines. Differences between the proteins are indicated in grey. The reactive site loop is marked with a box.

6. Titer of PABan to SCC antigen (SEQ ID NO: 18).

7. Reactivity of established hybridomas with different SCC antigens (SEQ ID NO: 19).